

Ventilation file

May 19, 1960

Mr. E. R. Helferich
Watson Leavenworth Kelton & Taggart
100 Park Avenue
New York 17, New York

Re: Cigarette Ventilation
Our File 582-329

Dear Mr. Helferich:

As per our discussion during your last visit to our laboratory, attached are sketches showing the paper perforation details for Beckley mouthpiece paper-1, and Ecusta tipping papers-1, 5 and 7. Since the perforations for those cigarettes utilizing tipping paper-7 are located over the "front" plug, the front plug wrap paper also has perforations. The details for this front plug wrap paper are also attached. The type of plug wrap paper are also attached. The type of plug wrap paper used on the other cigarette specification models are immaterial, since the ventilation occurs in the space section.

In September 1959, we tested a group of experimental cigarettes which had eight (8) rows of holes in the tipping paper, located over the "space", and three slits in the mouthpiece paper. However, the exact specifications by which these cigarettes were manufactured have been misplaced and are not available. The filter and total average dilution for the above cigarettes was 2.5% and 13.0% respectively.

If there are any further questions we will be glad to answer them.

Sincerely,

PHILIP MORRIS INC.

W. M. Tyrrell
Technical Services Division

WMT:mar

1000323782